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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/582,959 08/24/00 SCHUSTEK

S 1219

EXAMINER

MM91/0906

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HUNTINGTON NY 11743

LAM, T

ART UNIT

PAPER NUMBER

2834

DATE MAILED:

09/06/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.
09/582,959

Applicant(s)
Schustek et al.

Examiner
Thanh Lam

Art Unit
2834



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on _____
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above, claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- 13) ☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

a) ☒ All b) ☐ Some* c) ☐ None of:

1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

*See the attached detailed Office action for a list of the certified copies not received.

- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

- 15) ☐ Notice of References Cited (PTO-892)
- 16) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 17) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s). 826
- 18) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 19) ☐ Notice of Informal Patent Application (PTO-152)
- 20) ☐ Other:

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DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-12 are rejected under 35 U.S.C. 102(b) as being anticipated by Schustek.

Schustek discloses a method for joining excitation poles to a pole housing of electrodynamic machines, in particular starter motors for starting internal combustion engines, in which each joining connection is attained by positive and nonpositive engagement, characterized in that the joining connection is attained by spot shaping of a separate rivet, which joins an excitation pole and the pole housing, at at least one joining location.

Regarding claim 2, characterized in that a rivet in the form of a blind rivet is employed.

Regarding claim 3, characterized in that the pole housing is perforated so that a rivet shank can be inserted through it.

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Regarding claim 4 characterized in that the blind rivet is introduced into a joining hole from the outside of the pole housing.

Regarding claim 5, characterized in that the excitation poles are perforated so that the rivet shank can be inserted through them, and that the widening of the rivet shank that is associated with a riveting operation is effected downstream of a narrowing of a first hole segment in a second hole segment of larger diameter than the first hole segment.

Regarding claim 6, characterized in that the hole in the excitation pole is embodied as a through hole.

Regarding claim 7, characterized in that the joining hole in the excitation pole is embodied as a blind bore.

Regarding claim 8, characterized in that the narrowing (23) of the joining hole in the excitation pole is attained by drilling with a step drill.

Regarding claim 9, characterized in that the narrowing of the hole in the excitation pole is attained by reverse upsetting of a bead created by perforation.

Regarding claim 10, characterized in that by means of the conical form of the step attained in the perforation, the excitation pole is centered relative to the pole housing during riveting by the rivet shank, which widens in the process.

Regarding 11, characterized in that each excitation pole is secured to the inside of the pole housing by means of two axially offset rivets.

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Regarding claim 12, in particular for starting internal combustion engines, whose excitation poles are secured to the inside of the pole housing characterized in that the excitation poles are each joined to the pole housing by means of at least one rivet.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See PTO-892.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanh Lam whose telephone number is (703) 308-7626. The fax phone number for this Group is (703) 305-3431.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0656.



Thanh Lam

Aug. 22, 2001



Tran Nguyen
Patent Examiner
Technology Center 2800